


# Offshore Pedestal Crane Inspection Training

 **Duration:** 3 daily sessions of 5 hours

 **Method of Tuition:** Zoom App

## Introduction

The aim of this module is to establish that the delegate has the required underpinning knowledge and understanding to fulfil the role of an Offshore Pedestal Crane Inspector.

The objectives of this module are to familiarize delegates with proper inspection and maintenance techniques required to ensure the safety and reliability of pedestal crane hoisting and lifting equipment in compliance with statutory requirements.

**This module fully incorporates both API Specification 2C & API - RP - 2D (7th Edition) Requirements.**

## Learning Outcomes

On completion of this module, delegates should fully understand:

- the requirements of API Spec 2C & RP - 2D
- how to use & interpret measurements taken with vernier calipers, micrometers, sheave gauges etc
- how to carry out crane inspections using detailed checklists
- how to make decisions as to the integrity of cranes (ie) are they fit for purpose?
- troubleshooting techniques and how to rectify crane defects & malfunctions

## Course Content

- Review of API - RP - 2D & Spec 2C (7th Edition) Requirements Offshore Crane Designs
- Inspection Tools Capacity Charts
- Winches, Reeving & Fleet Angles Sheaves
- Wire Rope Construction, Terminations, Inspection, Storage, Handling & Installation Non - Destructive Examination Techniques
- Crane Inspection Criteria --- Pre - Use, Monthly, Quarterly & Annual
- Inspection of Main & Auxiliary Hoist Blocks, Foundation, Superstructure, Swing Circle Assembly & Anti – Two Blocking Systems
- Thorough Visual Crane Inspection Criteria Pedestal Crane Load Test Procedure
- Hydraulic Systems Principles, Components, Maintenance & Troubleshooting
- Types of Crane Power Units

The online API Offshore Crane Inspection training is enhanced with videos.

## Target Audience

**The target group for this module is:**

- any personnel who inspect, test and report on the condition of pedestal cranes
- experienced maintenance technicians
- any person wishing to be a qualified pedestal crane inspector

## Pre-requisites

- must have a basic knowledge of cranes and associated lifting equipment
- must be capable of reading and understanding the English language

## Certification

Delegates completing the Offshore Pedestal Crane Inspection training will be awarded an API Offshore Pedestal Crane Inspection Training Certificate of Completion.

## Validity

Online API Offshore Pedestal Crane Inspection Training Certificate of Completion is valid for 12 months.

## Participants

Minimum of 2, Maximum of 6